

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 GST No: 29AACCK4994Q1Z1 PAN No: AACCK4994Q

Port No: KMTH/Cubes/2521/2021-22

TEST RESULTS ON CONCRETE CUBES		Date	15-06-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension, Malleshawaram, Bangalore-560003		
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 Yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in Yelahanka division (package-02)		
Work Order No	BBMP/EE/YNK D/EPMT-06/W O/245/2020-21		
Code No	003-21-000045		
Date of Sample Received	14-06-2021		

Dimensions of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at* (Details of structural Member Identification)	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm ²)	Weight of Specimen (gm)	Load in KN	Compressive Strength in Nmm ²
1	Rcc Drain	06-07-2021	14-06-2021	7 Days	22500.00	8155	421.6	18.74
2		06-07-2021	14-06-2021		22500.00	8152	419.6	18.65
3		06-07-2021	14-06-2021		22500.00	8158	418.4	18.60

150 mm = 10 kg/Sq cm (Approx)

* As furnished by the client

At least, A Minimum of three cube specimens shall be supplied for testing as per IS-516-1959

Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Paraj KS

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ಇಂಜಿನಿಯರ್
08-06-2021

Approved by
Narayanswamy B

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Off & Lab: No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettyhalli, RMV 2nd Stage, BENGALURU 560094
Ph: 2341 8068, 23511213 Mobile: 94485 15258 E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 GST No: 29AACCK4994Q1Z1 PAN No: AACCK4994Q

Report No: KMTH/Cubes/2523/2021-22

TEST RESULTS ON CONCRETE CUBES		Date	25-06-2021					
Name of Client & Address		Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.						
Name of Agency & Address		Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003						
Third Party Consultant		M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094						
Name of Project & Address		Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 Yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in Yelahanka division (package-02)						
Work Order No		BBMP/EE/YNK D/EPMT-06/W.O/245/2020-21						
Code No		003-21-000045						
Date of Sample Received		24-06-2021						
Dimensions of Specimens in mm		150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00						
Grade of Concrete		M20						
Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by								
Sr No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification)	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm ²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm ²
1	RCC Culvert	17-06-2021	24-06-2021	7 Days	22500.00	8226	426.8	18.97
2		17-06-2021	24-06-2021		22500.00	8146	430.2	19.12
3		17-06-2021	24-06-2021		22500.00	8210	426.4	18.95

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Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Kraj KS

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ಯುಪಕರಣ ಸುರಕ್ಷಣೆ ಮತ್ತು
ಪರೀಕ್ಷೆ, ಬೆಂಗಳೂರು-108
End of Report

Approved By
Nardyanaswamy

Office & Lab No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettyhalli, RMV 2nd Stage, BENGALURU 560094
Ph: 2341 8668, 23511213 Mobile: 94485 15258 E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No. U74210KA2004PTC035137 G S T No: 29AACCK4994Q1Z1 PAN No. AACCK4994Q

Report No	KMTH/CCslabs/2525/2021-22	TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES	Date	08-04-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.			
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003			
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094			
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)			
Work Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21			
Code No	003-21-000045			
Date of Sample Received	08-03-2021			
Shape of Sample	slab Length -920mm, Height-100mm, Width600mm			

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below

Cores pertaining to the concrete cast at (Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp. Strength N/Sq mm	CFH/D $\pm 0.11 \pm 0.78$	CCF N/Sq mm	ECS C N/Sq mm	Wm b/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
Minimum Slab													
S-01	51.98	100.00	1.92	2121	33.6	15.85	0.99	15.72	19.65	20.2	0.7842	0.00021	3697.30
S-02	51.85	100.00	1.93	2111	34.2	16.20	0.99	16.07	20.09		0.7964	0.00021	3772.22
S-03	52.00	100.00	1.92	2123	35.8	16.88	0.99	16.74	20.93		0.8120	0.00021	3825.42

Finished by the Client

A Minimum of three specimens shall be supplied for testing as per IS 516-1959

Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
KJS

End of Report

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 GST No: 29AACCK4994Q1Z1 PAN No: AACCK4994Q

Report No	KMTH/CCslabs/2528/2021-22	
TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES		Date 19-08-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.	
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003	
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094	
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)	
Work Order No	BBMP/EE/YNK D/EPMT-06/W.O/245/2020-21	
Job Code No	003-21-000045	
Date of Sample Received	19-08-2021	
Number of Specimens*	3 No's Cement Concrete Slabs	
Size & Shape of Sample	slab Length -1500mm, Height-250mm, Width460mm	

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below

Slab	Cores pertaining to the concrete cast at* (Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp Strength N/Sq mm	CFH/D x 0.11 + 0.78	C.C.F N/Sq mm	E.C.S.C N/Sq mm	Avg. N/Sq mm	Weight of Core in kg	Volume of Core, m ³	Density, Kg/m ³
1	S-01	95.00	189.98	2.00	7085	140.2	19.79	1.00	19.79	24.74	24.6	1.8460	0.00135	1371.54
2	S-02	95.00	190.00	2.00	7085	139.8	19.73	1.00	19.73	24.67		1.7860	0.00135	1326.82
3	S-03	95.00	189.88	2.00	7085	138.4	19.54	1.00	19.53	24.42		1.8640	0.00135	1355.64

Furnished by the Client

Note: A Minimum of three specimens shall be supplied for testing as per IS-516-1959

Karnataka Material Test House Pvt Ltd ,

Prepared & Checked by
Paraj KS

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End of Report

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Narayanswamy B

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CIN No: U74210KA2004PTC035137 GST No: 29AACCK4994Q1Z1 PAN No: AACCK4994Q

Report No	KMTH/CCslabs/2530/2021-22	
TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES		
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.	Date 26-08-2021
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension, Malleshawaram, Bangalore-560003	
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094	
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division	
Work Order No	BBMP/EE/YNK D/EPMT-06/W.O/245/2020-21	
Code No	003-21-000045	
Date of Sample Received	26-08-2021	
Number of Specimens*	3 No's Cement Concrete Slabs	
Size & Shape of Sample	slab Length -1500mm, Height-250mm, Width460mm	

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below

Cores pertaining to the concrete cast at* (Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp. Strength N/Sq mm	CF H/D x 0.11 + 0.78	CCF N/Sq mm	ECSC N/Sq mm	Avg N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
mm Slab													
S-01	95.36	189.88	1.97	7289	136.8	18.77	1.00	18.71	23.38	23.6	1.5367	0.00138	1110.32
S-02	95.26	190.00	1.99	7123	138.4	19.43	1.00	19.42	24.27		1.5189	0.00135	1122.24
S-03	95.87	189.97	1.96	7366	137.4	18.65	1.00	18.57	23.22		1.5321	0.00140	1094.85

Furnished by the Client

At least, A Minimum of three specimens shall be supplied for testing as per IS 516-1959

Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Sriraj K S

ಇರಿಯತೆ ಮತ್ತು ಪರೀಕ್ಷಾ ಕಾರ್ಯದ ನಿರ್ವಹಣೆ
ಮಾಹಿತಿ ಮತ್ತು ಪರೀಕ್ಷಾ ಕಾರ್ಯದ ನಿರ್ವಹಣೆ
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CIN No: U74210KA2004PTC035137

GST No: 29AACCK4994Q1Z1

PAN No: AACCK4994Q

No KMT/CKKerbs/2532/2021-22

TEST RESULTS ON CEMENT CONCRETE KERBS SAMPLES		Date	09-03-2021
Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension, Malleshawaram, Bangalore-560003		
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka (package-02) 208,407,707 SFS, Attur Village and chitra layout in Attur ward no-03 in yelahanka division		
Order No	BBMP/EE/YNK.D/EPMT-06/W.O/245/2020-21		
Sample Received	003-21-000045		
of Sample	09-02-2021		
of Specimens*	Supplied by the Client		
Shape of Sample	3 No's Cement Concrete Kerbs		
Testing	Kerbs Length -450mm, Height-400mm, Width-(top-114+bottom-165)mm		
Testing	09-03-2021		

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq mm	Load KN	Comp Strength N/Sq mm	CF H/D x 0.11 + 0.78	CCF N/Sq mm	ECS C N/Sq mm	Avg N/Sq mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
S-01	95.00	190.00	2.00	7085	135.6	19.14	1.00	19.14	23.93	24	2.6840	0.00135	1993.94
S-02	95.00	190.00	2.00	7085	134.5	18.98	1.00	18.98	23.73		2.6920	0.00135	1999.88
S-03	95.00	190.00	2.00	7085	135.6	19.14	1.00	19.14	23.93		2.7120	0.00135	2014.74

Checked by the Client

Minimum of three specimens shall be supplied for testing as per IS 516-1959

Karnataka Material Test House Pvt Ltd.,

Checked by KS

ಶ್ರೀಮತಿ. ಸುಷ್ಮಿತಾ ಕುಮಾರ್
ಯುಪ್ಪರ ಸುಪರ್ದಿ ಸಂಪನ್ಮೂಲ,
ಬಿ.ಎಂ.ಸಿ. ಸರ್ಕಾರಿ-೧೫

End of Report

Approved by
Narayan Swamy B

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Report No	KMTH/GSB/2535/2021-22	
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.	Date 09-08-2021
Name of Agency & Address	Sri G. Chandrashekar, (Sri Sai Charan Constructions) No41, 8th Cross, Swimming Pool Extension' Malleshawaram, Bangalore-560003	
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd, Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094	
Name of Project & Address	Comprehensive Developments of Roads and Drains in Sai Nagara Phase-1 and 2 yelahanka 208,407,707 SFS, Attur Village and chitra layout in Attur ward no- 03 in yelahanka division (package-02)	
Work Order No	BBMP/EE/YNK D/EPMT-06/W O/245/2020-21	
Job Code No	003-21-000045	
Date of Testing	09-07-2021	
Technical Reference	MORTH Specifications	
SB MATERIAL		

Weight of Sample taken		15000								
Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1986.2	13.24	13.24	86.76	80-100	100	100	100	80-100	100
25	2021.2	13.47	26.71	73.29	55-90	70-100	55-75	50-80	55-90	75-100
10	2564	17.09	43.8	56.20	35-65	50-80	-	-	35-65	55-75
4.75	2642.5	17.62	61.42	38.58	25-55	40-65	10-30	15-35	25-50	30-55
2.36	2522.3	16.82	78.24	21.76	20-40	30-50	-	-	10-20	10-25
0.425	1624.2	10.83	89.07	10.93	10-15	10-15	-	-	0-5	0-8
0.075	1198.2	7.99	97.06	2.94	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.81	Should not be more than 2%
2	Maximum Dry Density	2.06	-
3	Optimum Moisture Content	5.02	-
4	Plasticity Index	NP	Shall not more than 6

Is furnished by the client
Note: The above tested sample satisfies the requirement of IS:383-2016

Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj KS

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